



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 24, 2016

Miriam Frugis  
Registration Manager  
Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Dr  
Research Triangle Park, NC 27709

Subject: Label Amendment – Updating rotational crop restrictions and removing chemigation language (sprinkler) that is not related to soil applications  
Product Name: Velum total  
EPA Registration Number: 264-1171  
Application Date: 4/14/2016  
Decision Number: 516974

Dear Ms. Frugis:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

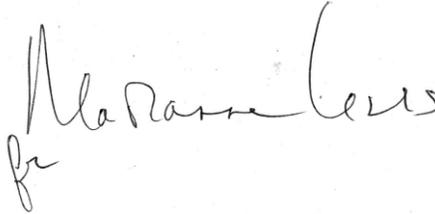
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Marianne Lewis by phone at (703) 308-8043, or via email at lewis.marianne@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Marianne Lewis" with a small "fr" written below the name.

Venus Eagle, Product Manager 01  
Invertebrate & Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

Jun 24, 2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-1171

GROUP	7	FUNGICIDE
GROUP	4A	INSECTICIDE

# VELUM™ TOTAL

For Control or Suppression of nematodes, listed Insects and Fungal Diseases

**ACTIVE INGREDIENT:**

FLUOPYRAM: \* .....15.4%

IMIDACLOPRID \*\* .....22.2%

**OTHER INGREDIENTS:**.....62.4 %

**TOTAL:** .....100.0%

Contains 1.50 lbs. FLUOPYRAM and 2.17 lbs. IMIDACLOPRID per gallon

\* (CAS Number 658066-35-4)

\*\* (CAS Number 138261-41-3)

EPA Reg. No. 264-1171

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
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**For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.**

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Treat Symptomatically

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

Please refer to [back panel] [booklet] for additional precautionary statements and directions for use. [Note to reviewer: Location of additional precautionary statements and directions for use will vary between those listed, depending on container type/size.]

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed.

#### Personal Protective Equipment (PPE):

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves made out of: barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, natural rubber  $\geq$  14 mils, polyethylene, polyvinyl chloride  $\geq$  14 mils, or viton  $\geq$  14 mils.

#### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Engineering Control Statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of fluopyram and imidacloprid. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.

### **Endangered Species Notice**

Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult your local county bulletin, County Extension Agent, or Pesticide Lead Agency for information concerning endangered species in your area.

### **RESISTANCE MANAGEMENT**

One of the active ingredients in VELUM TOTAL, fluopyram, belongs to the succinate dehydrogenase inhibitor (SDHI) fungicide chemical class (FRAC Group 7). Application of VELUM TOTAL to the soil using the methods described in the Use Directions for Specific Crops section of this label can provide suppression of the diseases listed in each crop section. To limit the risk of resistance development for medium to high risk fungal pathogens, follow these management guidelines:

Application of VELUM TOTAL should be considered as one of the total foliar fungicidal SDHI applications per crop

- 1) The first foliar fungicide application to the crop following a VELUM TOTAL application should be a fungicide from a different FRAC Mode of Action Group with satisfactory activity against the fungal pathogen targeted by VELUM TOTAL.
- 2) Use a minimum time interval between application of VELUM TOTAL and the first foliar application of a fungicide with a different mode of action.
- 3) Use a foliar fungicide spray program with alternating modes of action for the remainder of the crop growing period.

The second active ingredient in VELUM TOTAL, imidacloprid, belongs to the neonicotinoid insecticide chemical class (IRAC Group 4A).

In order to maintain susceptibility to this class of chemistry for each crop specified on this label only a single application of VELUM TOTAL is to be made according to the methods described in the Use Directions for Specific Crops section with no additional foliar applications from Group 4A Insecticides. A soil-applied Group 4A program and a foliar-applied Group 4A Insecticide program are not to be used on the same crop when targeting insect species with high resistance development potential.

Contact your Cooperative Extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://www.irac-online.org>.

## **DIRECTIONS FOR USE**

### **STOP - READ THE LABEL BEFORE USE**

**It is a violation of federal law to use this product in a manner inconsistent with its labeling.**

**Read entire label before using this product.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the **restricted-entry interval (REI) of 12 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls over long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves.

### **PRODUCT INFORMATION**

VELUM TOTAL is labeled on specific crops for the control or suppression of certain nematodes, insects and fungal diseases. The active ingredient, fluopyram, in VELUM TOTAL provides for suppression or control of nematodes by contact activity in the soil, and for suppression of certain fungal diseases through root uptake and xylem systemic movement to plant foliage. The active ingredient, imidacloprid, in VELUM TOTAL provides for suppression or control of insects in soil by contact activity and on foliage through root uptake and xylem systemic movement to plant foliage.

### **LABELED USES**

Only for use in in-furrow applications, and through drip, trickle or subsurface irrigation systems on cotton, and peanuts.

### **RESTRICTIONS**

- Do not apply aerially.
- Do not apply to plants grown in non-soil media such as perlite, vermiculite, rock wool or other soil-less media, or plants growing hydroponically.
- Do not apply more than the maximum rate for each specific crop from any combination of products containing Fluopyram (0.45 lb active ingredient per acre per year) or Imidacloprid (0.38 to 0.5 lb active ingredient per acre per year depending on the crop), regardless of formulation or method of application.

**TAKE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.**

### **Mixing and Loading Requirements**

To avoid potential contamination of groundwater, use a properly designed and maintained containment pad for mixing and loading of any pesticide into application equipment where possible. If containment pad is not used, maintain a minimum distance of 25 feet between mixing and loading area and potential surface to groundwater conduits such as field sumps, incased well heads, sink-holes, or field drains.

### **No-Spray Zone Requirements for Soil Applications**

Do not apply within 25 feet, of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds.

### **Runoff Management**

Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When using VELUM™ TOTAL on erodible soils, employ the Best Management Practices for minimizing runoff. Consult your local Natural Resources Conservation Service for advice in your use area.

### **Spray Drift Management**

The application of this product occurs as a directed in-furrow spray, or through drip or trickle chemigation, and therefore, spray drift will be negligible. However, the interaction of many equipment and weather related factors determine the potential for spray drift, and the applicator is responsible for considering all of these factors when making application decisions.

## **APPLICATION INFORMATION**

### **In-furrow at-plant applications**

Where permitted by crop specific use directions apply in-furrow during planting operations. Applications of VELUM TOTAL are to be directed into the seed or root-zone of the planted crop. Failure to place VELUM TOTAL into root-zone may result in loss of control or delay in onset of activity.

The earlier VELUM TOTAL is available to a developing plant, the earlier the protection begins. VELUM TOTAL is taken into the roots and the systemic nature of VELUM TOTAL allows movement from roots through the xylem tissue to vegetative parts of the plant. VELUM TOTAL will generally not control or suppress insects infesting, and diseases infecting flowers, blooms or fruit. Additional crop protection measures may be required for insects and diseases on these plant parts and for insects and diseases not listed in the crop-specific, pests controlled sections of this label.

## **CHEMIGATION APPLICATION**

Apply this product only through low-pressure drip, trickle or subsurface irrigation systems.

### **Uniform Water Distribution and System Calibration**

The irrigation system must provide uniform distribution of treated water. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

### **Chemigation Monitoring**

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

## **Required System Safety Devices and Using Water from Public Water Systems**

This product has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following application techniques are provided for user reference but do not constitute a warranty of fitness for application through drip irrigation equipment. Users must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through drip irrigation equipment.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place.

'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer, or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an alternative to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. Pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The systems must contain functional interlocking controls, to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Apply pesticide continuously for the duration of the water application. For mixing instructions, please refer to directions in the "Spray mixing and compatibility" section.

This product may be used through the basic types of irrigation systems as outlined below. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. See crops section on the label for required treatment rates and additional use information.

### **Drip Irrigation Equipment**

With stationary systems, an effectively designed in-line Venturi applicator unit is preferred to support even and quick distribution. However, a positive-displacement pump can also be used. Fill the tank of injection equipment with water and adjust flow to use contents over 30 to 45 minutes. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration. Provide chemical supply tank agitation sufficient for mixing until chemigation is completed. Operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. This product can be injected during the irrigation cycle or as a separate application. For drip irrigation systems, introduce fungicide into irrigation solution for a period sufficient to distribute the product uniformly in the crop. Fungicide should be added near the end of the normal irrigation cycle so that subsequent watering will not flush the product from the root zone. Stop injection equipment with any system after treatment is completed and continue to operate irrigation system until this product has been cleared from the last drip irrigation line.

## **TANK MIXING AND COMPATIBILITY**

It is the pesticide user's responsibility to ensure that all products in the mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture.

Begin with clean equipment and add one-half of the required amount of water to the mixing tank and start agitation. Add the required quantity of this product, and the tank-mix partner if applicable, to the water and complete filling with water to the required total volume. Follow the recommendations of your State Cooperative Extension Service for tank mixing with other products. In general, follow the order beginning first with water-soluble packaging (wait for it to completely dissolve), wettable powders and water-dispersible granular products, liquid flowables and suspension concentrates, and emulsifiable concentrates last. Maintain agitation throughout spraying. Do not allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation. When tank mixing with other pesticides, observe the more restrictive label limitations and precautions.

VELUM TOTAL is physically compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the compatibility of VELUM TOTAL with all potential tank-mix partners has not been fully investigated. If tank mixing with other pesticides is desirable, conduct a jar test with the volumes and rates typically used in agricultural application. Using a small container of water, add the proportionate amounts of the products: wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 15 minutes. Look for signs of separation, globules, sludge, flakes, or other precipitates. Physical compatibility is indicated if the combination remains mixed or can be remixed readily.

The crop safety of all potential tank-mixes with VELUM TOTAL has not been tested on all crops. Before applying any tank-mixture not specified on this label, safety to the target crop should be confirmed on a small portion of the crop to be treated to ensure an adverse response will not occur.

## **ROTATIONAL CROP RESTRICTIONS**

The following crops may be replanted immediately following the last application of Velum Total: Artichoke, globe; Berries, subgroup 13A; Blueberry; Brassica, Head and Stem, subgroup 5A, Brassica Leafy Greens, subgroup 5B; Corn, field, grain; corn, pop, grain; corn, sweet [kernel plus cob with husks removed]; Current; Elderberry; Fruit, citrus, group 10; Fruit, pome, group 11; Gooseberry; Grain, cereal, group 15 (except corn and rice); Herb subgroup 19A; Hop, dried cones; Huckleberry; Juneberry; Leafy greens subgroup 4A; Leaf petioles subgroups 4B (except watercress); Legume vegetables (except cowpea and dried peas); Ligonberry; Melon subgroup 9A; nut, tree, group 14; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peanut; Rapeseed; Soybean; Squash/Cucumber subgroup 9B; Strawberry; Sugarbeet, roots; Sunflower, seed; Tomato; Vegetable, root, except sugarbeet, subgroup 1B; and Vegetable, tuberous and corm subgroup 1C. Do not rotate to crops other than those listed above.

## USE DIRECTIONS FOR SPECIFIC CROPS

### COTTON

Pests Controlled	Rates Fluid ounces/Acre
Nematodes Cotton aphid Plant bugs Thrips Whiteflies	10 – 19  Use the higher rate if pest infestations are expected to be severe.
<b>Pests Suppressed</b>	
Fusarium spp. Target spot ( <i>Corenespora cassiicola</i> )	
<p><b>Cotton – Soil Applications</b>                      Apply specified dosage in the following methods:</p> <ul style="list-style-type: none"> <li>• In-furrow spray during planting directed on or below seed;</li> <li>• Chemigation into root-zone through low-pressure drip or trickle irrigation.</li> </ul>	
<p><b>Cotton – Soil Application Restrictions</b></p> <ul style="list-style-type: none"> <li>• Do not apply more than 19 fl oz of VELUM TOTAL per acre per year.</li> <li>• Do not apply VELUM TOTAL within 30 days of harvest.</li> <li>• Regardless of formulation or method of application, (seed treatment, soil or foliar) do not apply more than 0.5 lb of imidacloprid active ingredient or 0.45 lb of fluopyram active ingredient per acre per year.</li> <li>• Do not graze treated fields after any application of VELUM TOTAL.</li> <li>• Please see Resistance Management section of this label for directions specific to VELUM TOTAL soil application.</li> </ul>	

**PEANUT**

Pests Controlled	Rates Fluid ounces/Acre
Nematodes Aphids Leaf Hoppers Thrips Whiteflies	10 - 19  Use the higher rate if pest infestations are expected to be severe.
<p align="center"><b>Pests Suppressed</b></p>	
Early leaf spot ( <i>Cercospora arachidicola</i> ) Late leaf spot ( <i>Cercosporidium personatum</i> ) White mold ( <i>Sclerotium rolfsii</i> )	
<p><b>Peanut – Soil Applications</b></p> <p>Apply specified dosage in the following methods:</p> <ul style="list-style-type: none"> <li>• In-furrow spray during planting directed on or below seed;</li> <li>• Chemigation into root-zone through low-pressure drip, trickle or subsurface irrigation.</li> </ul>	
<p><b>Peanut – Soil Application Restrictions</b></p> <ul style="list-style-type: none"> <li>• Do not apply more than 19 fl oz of VELUM TOTAL per acre per year.</li> <li>• Do not apply VELUM TOTAL within 14 days of harvest.</li> <li>• Regardless of formulation or method of application, (seed treatment, soil or foliar) do not apply more than 0.5 lbs of imidacloprid active ingredient or 0.45 lbs of fluopyram active ingredient per acre per year.</li> <li>• Do not graze treated fields after any application of VELUM TOTAL.</li> <li>• Do not feed hay or threshing to livestock.</li> <li>• Please see Resistance Management section of this label for directions specific to VELUM TOTAL soil application.</li> </ul>	
<p><b>Notes:</b></p> <p>Increases in Tomato spotted wilt virus (TSWV) incidence have been observed on multiple varieties of peanut with applications of imidacloprid which is a component of VELUM TOTAL. This may also be the case with other tospoviruses, or other viruses transmitted by various thrips species or perhaps, other pests. Prior to applying VELUM TOTAL to peanuts, consult with the State, Cooperative Extension Service, or Bayer CropScience representative, for recommendations. Growers are advised to weigh insect control benefits against potential increase in viral disease levels. In areas where TSWV or other tospovirus are endemic, growers are encouraged to use virus resistant varieties.</p>	

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

**Pesticide Disposal:** Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

### Container Handling:

#### [Non-Refillable Containers]

##### **Rigid, Non-refillable containers (equal to or less than 5 gallons)**

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

##### **Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)**

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

##### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

##### **Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

**Non-Refillable Fiber Drums with Liners**

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**Non-Rigid, Non-refillable Containers**

Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities."

**[Refillable Containers]**

Refillable container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. Do not reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is

the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

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VELUM TOTAL is specially formulated and sold by Bayer CropScience LP for the control of various agricultural pests according to the directions on this label. The purchase price of VELUM TOTAL includes a prepaid license under which purchaser agrees to employ the purchased quantity of VELUM TOTAL only for the above-specified uses and to provide notice of the terms and conditions of this license to any subsequent purchaser. Uses of VELUM TOTAL other than those specified on this label are not licensed through the purchase of this product.

**NET CONTENTS:**

**PRODUCED FOR**



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